

DECLARATION OF PERFORMANCE
No 1S-S5NS-005
According to regulation No 305/2011

Unique identification code of the product-type:	Self - supporting double skin metal faced insulating panels (sandwich panels) TENAX with MW core
Product name:	TENAX W200 MW Security T TENAX W240 MW Security T TENAX W300 MW Security T
Intended use:	for external walls/walls and ceilings also for external all claddings
Manufacturer:	TENAX PANEL, SIA, Spodriibas 1, Dobeles, Latvia, LV- 3701
System/s of AVCP:	Scheme 1 (reaction to fire, fire resistance) Scheme 4
Harmonised standard:	EN 14509:2013
Notified body/ies:	No 1325 - AS Inspecta Latvia, Skanstes Str. 54A, LV-1013, Riga, Latvia

The performance of the product identified above is in conformity with the set of declared performance/s (see attachment No 1). This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:
TENAX PANEL SIA Project manager



Baiba Cimerrane
06.06.2024.

Attachment No 1 to Declaration of Performance No 1S-S5NS-005

Sandwich panels TENAX W200 MW Security T, TENAX W240 MW Security T, TENAX W240 MW Security T

Year when CE mark was affixed	10		
Essential characteristics	Performance		
Metal facings			
Thickness, mm	0,6; 0,7; 0,8		
Steel name	S280GD; S320GD		
Organic coating type and thickness	SP25; PVDF35		
Core material			
MW density, kg/m ³	110		
Thermal conductivity, W/m·K	0,042		
Panel			
Thickness, mm	200	240	300
Panel weight, kg/m ² (metal thickness 0,6/0,6 mm)	33,1	37,5	44,1
Shear modules of the core material, MPa	3,7	3,7	3,0
Shear strength of the panel, MPa	0,045	0,045	0,045
Long term shear strength, MPa	0,020	0,020	0,020
Creep coefficient			
- t = 2 000 h	0,3	0,3	0,3
- t = 100 000 h	0,4	0,4	0,4
Compressive strength of the core material, MPa	0,08	0,08	0,08
Cross-panel tensile strength, MPa	0,09	0,09	0,08
Wrinkling stress for inner face			
- in span	90	85	80
- for loads pressing at an internal support	80	80	80
Wrinkling stress for outer face, MPa			
- in span	90	85	80
- in span at elevated temperature	90	85	80
- for suction loads at an internal support	80	80	80
- for suction loads at an internal support at elevated temperature	80	80	80
Thermal transmittance, W/m ² ·K	0,20	0,17	0,14
Durability	pass-all colours	pass-all colours	pass-all colours
Resistance to point loads	NPD	NPD	NPD
Resistance to access loads, kPa	NPD	NPD	NPD
Reaction to fire	A2-s1,d0	A2-s1,d0	A2-s1,d0
Fire resistance			
- horizontal installation	EI180	EI180	EI180
- vertical installation	EI120	EI120	EI120
Water permeability	NPD	NPD	EI180
Air permeability	NPD	NPD	EI120
Airborne sound insulation	NPD	NPD	NPD
Sound absorption	33(-1;-3)	33(-1;-3)	33(-1;-3)